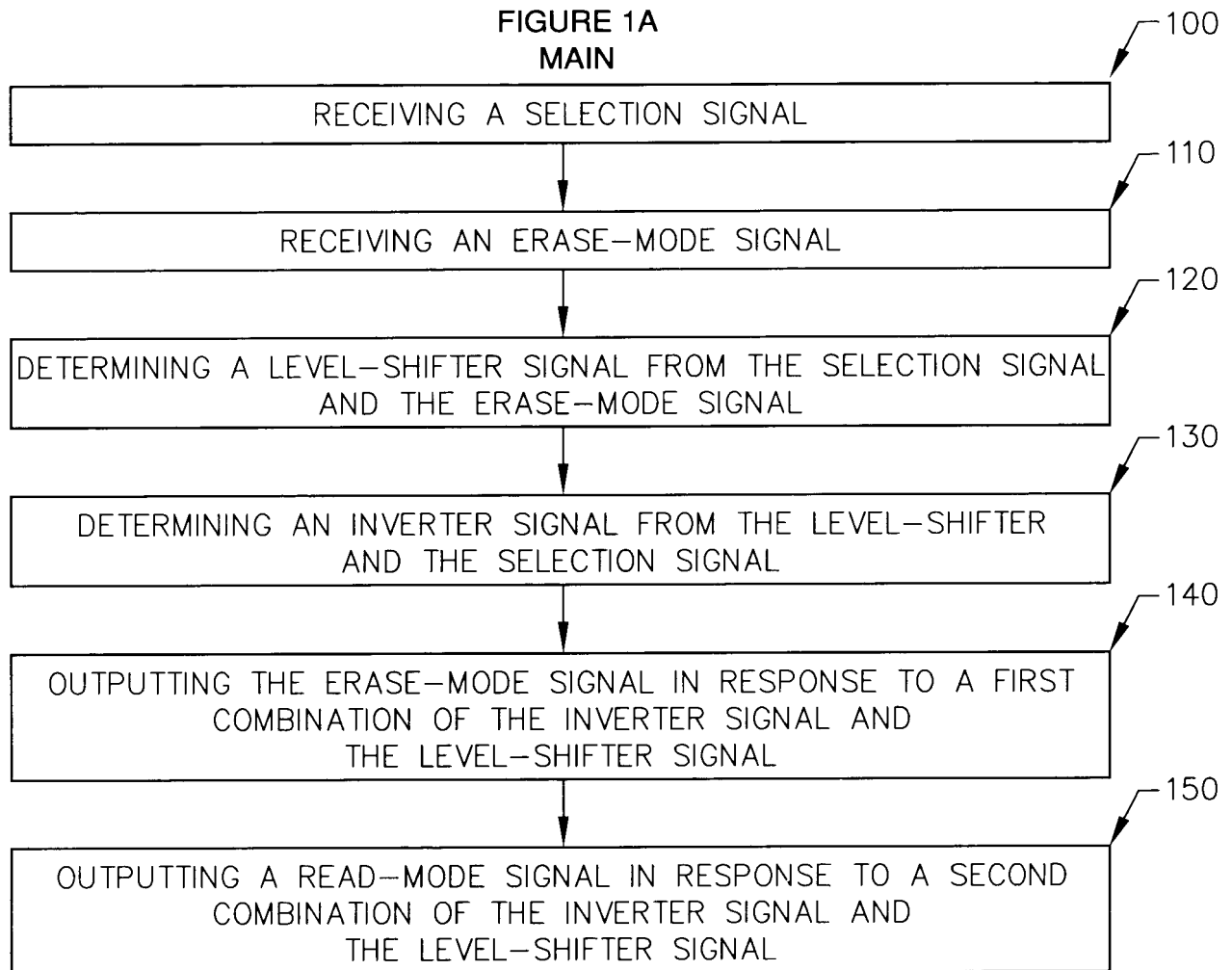
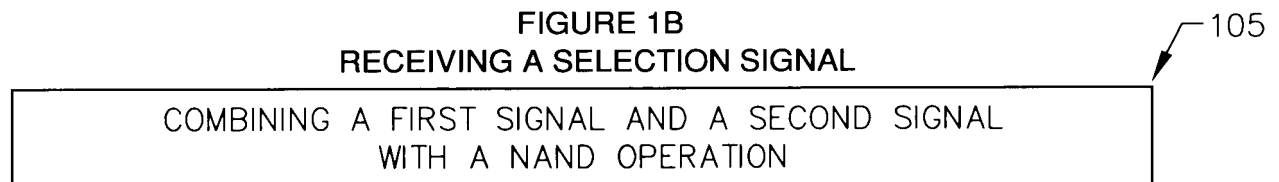


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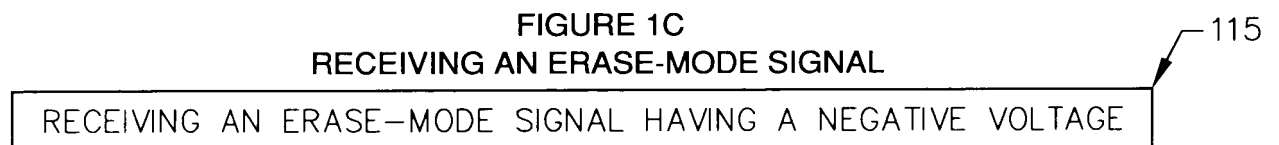
**FIGURE 1A**  
**MAIN**



**FIGURE 1B**  
**RECEIVING A SELECTION SIGNAL**



**FIGURE 1C**  
**RECEIVING AN ERASE-MODE SIGNAL**



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FIGURE 1D  
DETERMINING A LEVEL-SHIFTER SIGNAL FROM THE SELECTION  
SIGNAL AND THE ERASE-MODE SIGNAL

PULLING UP A VOLTAGE FROM A NEGATIVE ERASE-MODE VOLTAGE

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FIGURE 1E  
DETERMINING AN INVERTER SIGNAL FROM THE LEVEL-SHIFTER SIGNAL  
AND THE SELECTION SIGNAL

CHOOSING BETWEEN THE LEVEL-SHIFTER SIGNAL  
AND THE SELECTION SIGNAL

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FIGURE 1F  
OUTPUTTING THE ERASE-MODE SIGNAL IN RESPONSE TO A FIRST  
COMBINATION OF THE INVERTER SIGNAL AND  
THE LEVEL-SHIFTER SIGNAL

OUTPUTTING THE ERASE-MODE SIGNAL IN RESPONSE TO A POSITIVE  
VOLTAGE INVERTER SIGNAL AND A NEGATIVE VOLTAGE  
LEVEL-SHIFTER SIGNAL

145

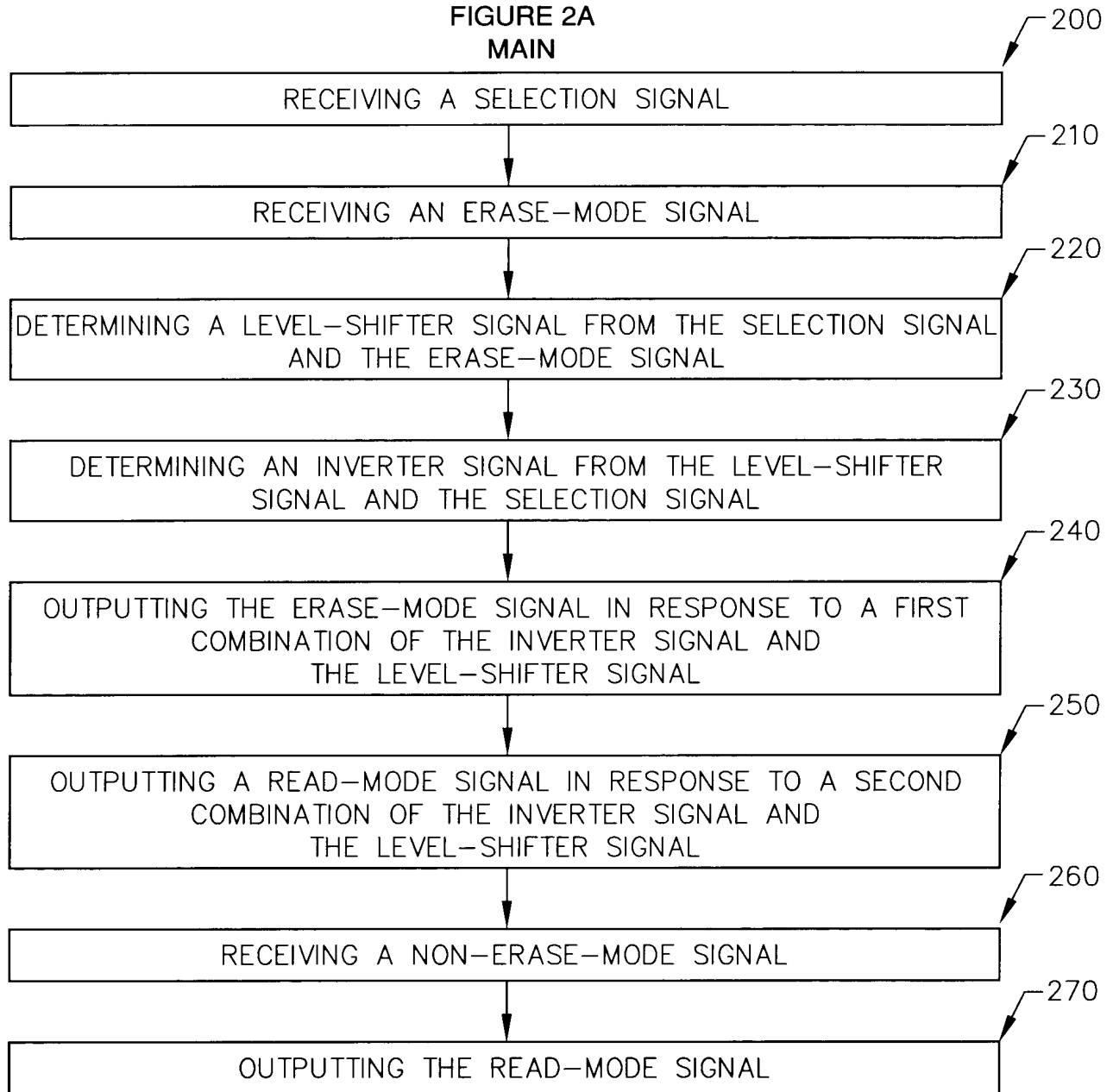
FIGURE 1G  
OUTPUTTING A READ-MODE SIGNAL IN RESPONSE TO A SECOND  
COMBINATION OF THE INVERTER SIGNAL AND  
THE LEVEL-SHIFTER SIGNAL

OUTPUTTING THE READ-MODE SIGNAL IN RESPONSE TO A NEGATIVE  
VOLTAGE INVERTER SIGNAL AND A NEGATIVE VOLTAGE  
LEVEL-SHIFTER SIGNAL

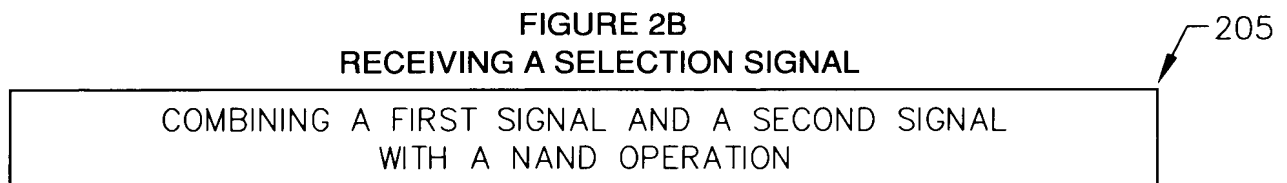
155

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**FIGURE 2A**  
**MAIN**



**FIGURE 2B**  
**RECEIVING A SELECTION SIGNAL**



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FIGURE 2C  
RECEIVING AN ERASE-MODE SIGNAL

RECEIVING AN ERASE-MODE SIGNAL HAVING A NEGATIVE VOLTAGE

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FIGURE 2D  
DETERMINING A LEVEL-SHIFTER SIGNAL FROM THE SELECTION SIGNAL  
AND THE ERASE-MODE SIGNAL

PULLING UP A VOLTAGE FROM A NEGATIVE ERASE-MODE VOLTAGE

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FIGURE 2E  
DETERMINING AN INVERTER SIGNAL FROM THE LEVEL-SHIFTER SIGNAL  
AND THE SELECTION SIGNAL

CHOOSING BETWEEN THE LEVEL-SHIFTER SIGNAL  
AND THE SELECTION SIGNAL

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FIGURE 2F  
OUTPUTTING THE ERASE-MODE SIGNAL IN RESPONSE TO A FIRST  
COMBINATION OF THE INVERTER SIGNAL AND  
THE LEVEL-SHIFTER SIGNAL

OUTPUTTING THE ERASE-MODE SIGNAL IN RESPONSE TO A POSITIVE  
VOLTAGE INVERTER SIGNAL AND A NEGATIVE VOLTAGE  
LEVEL-SHIFTER SIGNAL

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FIGURE 2G  
OUTPUTTING A READ-MODE SIGNAL IN RESPONSE TO A SECOND  
COMBINATION OF THE INVERTER SIGNAL AND  
THE LEVEL-SHIFTER SIGNAL

OUTPUTTING THE READ-MODE SIGNAL IN RESPONSE TO A NEGATIVE  
VOLTAGE INVERTER SIGNAL AND A NEGATIVE VOLTAGE  
LEVEL-SHIFTER SIGNAL

255

FIGURE 2H  
OUTPUTTING THE READ-MODE SIGNAL

SUPPLYING A LOW IMPEDANCE, LOW VOLTAGE CURRENT

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FIGURE 3

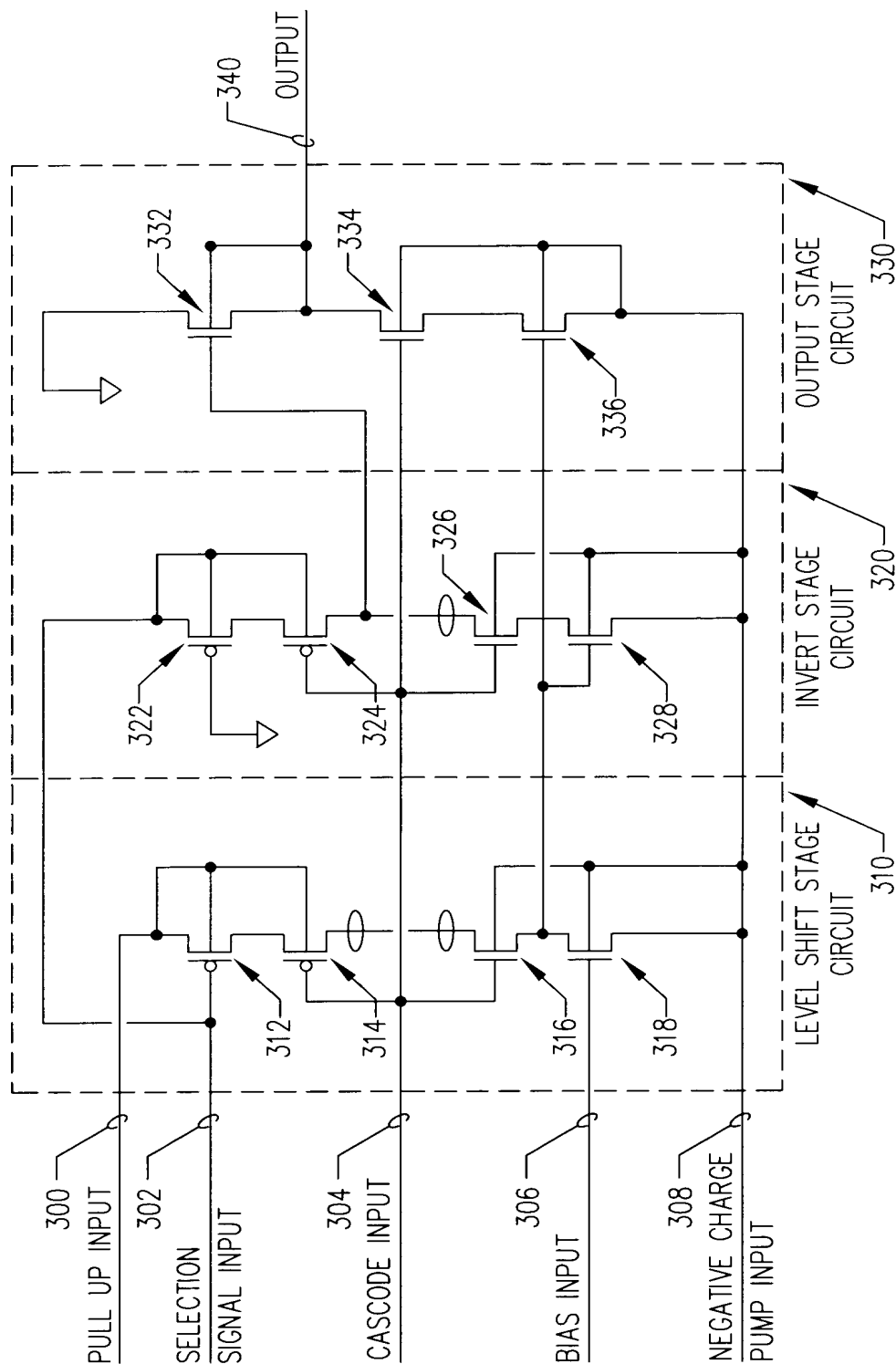


FIGURE 4

